

# United States Patent [19]

Brooks et al.

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[54] FLAVOR DELIVERY ARTICLES UTILIZING ELECTRICAL ENERGY

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[52] U.S. Cl. .... 131/330; 131/273; 131/194; 131/195; 128/202.21; 128/203.27; 128/204.23; 128/204.24

[58] Field of Search ..... 131/330; 273, 194, 195; 128/202.21; 203.27, 204.23, 204.29

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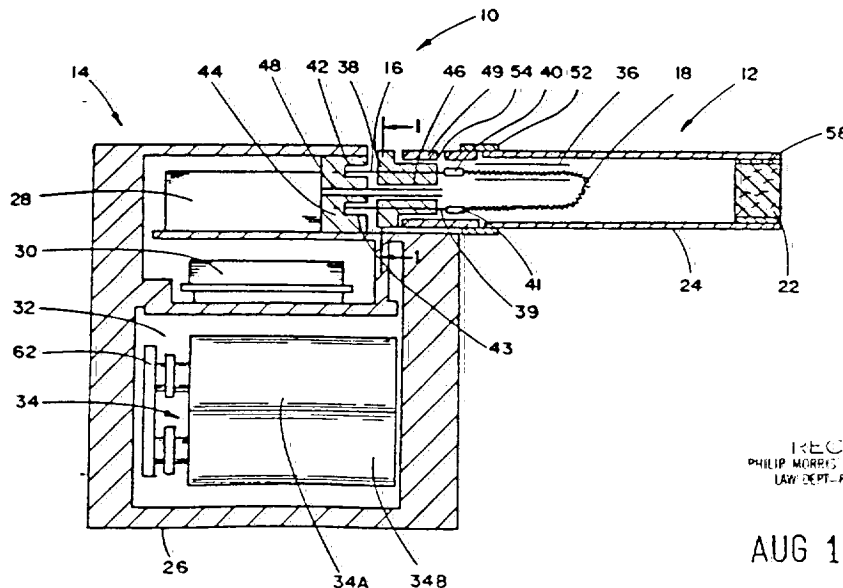
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## [57] ABSTRACT

Flavor delivery articles employ an electrical resistance heating element and an electrical power source to provide a flavored aerosol. The articles advantageously comprise a disposable portion and a reusable controller. The disposable portion normally includes a flavor substance and an air permeable resistance heating element having a surface area greater than  $1 \text{ m}^2/\text{g}$ , which usually carries an aerosol forming substance. The reusable controller normally includes a puff-actuated current actuation means, a time-based current regulating means to control the temperature of the heating element, and a battery power supply.

136 Claims, 8 Drawing Sheets



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